User Manual

MAGNAVOX
SMART. VERY SMART.

MDV460
DVD VIDEO PLAYER

Thank you for choosing Magnavox.

Need help fast?

Read your Quick Use/Start Guide and/or Owner's Manual first for quick tips that make using your Magnavox product more enjoyable.
If you have read your instructions and still need assistance, you may access our online help at

www.magnavox.com/usasupport
or call
1-800-705-2000
while with your product
(and Model / Serial number)

Magnavox vous remercie de votre confiance.

Besoin d'une aide rapide?

Les Guide d'utilisation rapide et Manuel de l'utilisateur regorgent d'astuces destinées à simplifier l'utilisation de votre produit Magnavox. Toutefois, si vous ne parvenez pas à résoudre votre probléme, vous pouvez accéder à notre aide en ligne à l'adresse

www.magnavox.com/usasupport
ou formez le
1-800-661-6162 (Francophone)
1-800-705-2000 (English speaking)
Veillez à avoir votre produit à portée de main
(et model / serial nombre)

Gracias por escoger Magnavox.

Necesita ayuda inmediata?

Lea primero la Guía de uso rápido o el Manual del usuario, en donde encontrará consejos que le ayudarán a disfrutar plenamente de su producto Magnavox. Si después de leerlo aún necesita ayuda, consulte nuestro servicio de asistencia en línea en

www.magnavox.com/usasupport
o llame al teléfono
1-800-705-2000
y tenga a mano el producto
(y número de model / serial)

Return your Product Registration Card or register online at www.magnavox.com/usasupport today to get the very most from your purchase.

Registering your model with MAGNAVOX makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once, ***or register online at www.magnavox.com/usasupport*** *to ensure:*

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

MAGNAVOX

Congratulations on your purchase, and welcome to the "family!"

Dear MAGNAVOX product owner:

Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a MAGNAVOX product.

P.S. To get the most from your MAGNAVOX purchase, be sure to complete and return your Product Registration Card at once, or register online at:

www.magnavox.com/usasupport

Know these

safety *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

MAGNAVOX *Visit our World Wide Web Site at http://www.magnavox.com/usasupport*

01-43_MDV460_37_eng2.indd 2 2007-01-26 9:52:20 AM

IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions.**
2. **Keep these instructions.**
3. **Heed all warnings.**
4. **Follow all instructions.**
5. **Do not use this apparatus near water.**
6. **Clean only with dry cloth.**
7. **Do not block any ventilation openings. Install in accordance with the manufacturer´s instructions.**
8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do not defeat the safety purpose** of the polarized or grounding-type plug.

A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only use attachments/accessories** specified by the manufacturer.
12. **Use only with the cart,** stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.
14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

- Install **all** batteries correctly, **+** and **-** as marked on the unit.
- Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).
- Remove batteries when the unit is not used for a long time.

16. **Apparatus shall not be exposed to dripping or splashing.**
17. **Do not place any sources of danger on the apparatus** (e.g. liquid filled objects, lighted candles).
18. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations.
For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance : www.eiae.org.

Class II equipment symbol
This symbol indicates that the unit has a double insulation system

EL 6475-E005: 04/01

01-43_MDV460_37_eng2.indd 3 2007-01-26 9:52:21 AM

General Information

Environmental Information

All unnecessary packaging has been omitted. The packaging has been made easy to separate into two materials; cardboard (box) and polyethylene (bags, protective foam sheet).

Your DVD player consists of materials which can be recycled and reused if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

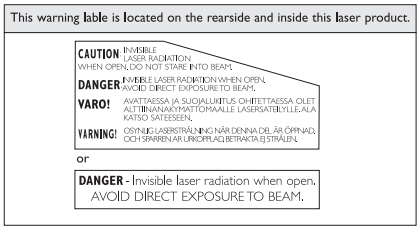
DOLBY DIGITAL

Manufactured under license from Dolby Laboratories, "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

"ENERGY STAR and the ENERGY STAR mark are registered U.S. marks"

ATTENTION
L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.

ATENCIÓN
El uso de mando o ajustes o la ejecucción de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.


This warning lable is located on the rearside and inside this laser product.
CAUTION INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
DANGER INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING! OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
or
DANGER - Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.

Laser Safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

NOTE:
Pictures shown maybe different between countries.

CAUTION:
WARNING LOCATION: ON THE BACKPLATE OF THE SET

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

Copyright Notice: The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This device should not be used for such purposes.

WARNING

To reduce risk of fire or electric shock, do not expose this appliance to rain or moisture. Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure.
The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

Canada

English:
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français:
Cet appareil numérique n'emet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlemenet sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

01-43_MDV460_37_eng2.indd 4 2007-01-26 9:52:22 AM

Index

English ----------6

Français ---------- 44

Español ---------- 84

English

Français

Español

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system may require a playability enhancement or upgrade. As DVD technology advances, these enhancements will become common and will be easy to complete.
Go to www.philips.com/support for software upgrade.

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

For Customer Use:
Read carefully the information located at the bottom or rear of your DVD Video player and enter below the Serial No. Retain this information for future reference.

Model No. 460
Serial No. _____

LASER

Type	Semiconductor laser InGaAlP (DVD) AlGaAs (CD)
Wave length	658 nm (DVD) 790 nm (CD)
Output Power	7.0 mW (DVD) 10.0 mW (VCD/CD)
Beam divergence	60 degrees

English

Contents

Care and Safety Information

Setup 8
Cleaning discs 8

General Information

Accessories supplied 9
Region codes 9

Connections

Connecting to television 10-11
Using Composite Video jacks (CVBS) 10
Using Component Video jacks (YPbPr) 10
Using an accessory RF modulator 11
Connecting the power cord 12

Optional connections

Connecting to a stereo system 13
Stereo system has right/left Audio In jacks 13
Connecting to a digital AV receiver 13
Receiver has a PCM, Dolby Digital or MPEG decoder 13

Product Overview

Front and Rear panels 14
Remote Control 15

Getting Started

Step 1: Inserting Batteries 16
Using the remote control to operate the system 16
Step 2: Finding your viewing channel 16
Step 3: Setting up Progressive Scan feature 17
Step 4: Selecting the matching color system 18
Step 5: Setting the language 19
On-screen display (OSD) language 19
Audio, Subtitle and DVD menu languages 19

Playback from Disc

Playable discs 20
Supported formats 20

Playback Features

Starting disc playback 21
Basic playback controls 21
Pausing playback 21
Selecting title/chapter/track 21
Stopping playback 21
Operations for video playback 22
Using the Disc Menu 22
Zooming in 22
Resuming playback from the last stopped point 22
Slow Motion 22
Forward / Reverse Searching 22
Selecting various repeat functions 23
Repeat play mode 23
Repeating a section within a chapter/track 23

01-43_MDV460_37_eng2.indd 6 2007-01-26 9:52:23 AM

Contents

English

Viewing the disc playback information 24
Title/Chapter/Track selection 24
Time Search 24
Angle 24
Special DVD Features 25
Playing a Title 25
Changing the Audio Language 25
Subtitles 25
Special VCD and SVCD Feature 25
Playback Control (PBC) 25
Playing MP3/WMA/JPEG/Kodak/Fuji Picture CD 26-27
General Operation 26
Playback selection 26
Zoom picture (JPEG) 27
Playback with multi-angles (JPEG) 27

DVD Menu Options

Using the Language setup menu 28
OSD Language 28
Subtitle / Audio / DVD Menu 28
Using the Video setup menu 29-31
Setting the Aspect Ratio 29
View Mode 30
TV System 30
Video Out 30
Smart Picture 31
Using the Audio setup menu 32-33
Digital Output 32
Night Mode 33
Down Sampling 33
Using the Rating setup menu 34-35
Rating level settings 34-35
Changing the Password 35
Using the Misc (Miscellaneous) setup menu 36-37
Restoring to the original settings 36
Closed Caption 37

Others

Software upgrade 38
Specifications 39
Troubleshooting ..... 40~41
Glossary 42
Limited Warranty 43

01-43_MDV460_37_eng2.indd 7 2007-01-26 9:52:23 AM

Care and Safety Information

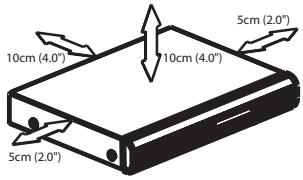
DANGER!
High voltage! Do not open the device. You run the risk of getting an electric shock.

The machine does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.

Setup

Finding a suitable location
- Place the set on a flat, hard and stable surface. Do not place the set on a carpet.
- Do not put any equipment or heavy objects on top of the set.
- Do not position the set on top of other equipment that might heat it up (such as receiver or amplifier).
- Do not put anything under the set (such as CDs, magazines).
- Install this unit near the AC outlet and where the AC power plug can be reached easily.

Space for ventilation
- Place the apparatus in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm (4.0") clearance from the rear and the top of the set and 5cm (2.0") from the left and right to prevent overheating.

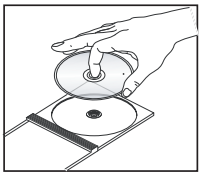


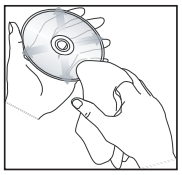
Avoid high temperatures, moisture, water and dust
- Apparatus shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the apparatus (such as liquid filled objects, lighted candles).

Cleaning discs

Some problems occur because the disc inside the player is dirty (frozen picture, sound disruptions, picture distortions). To avoid these problems, discs should be cleaned on a regular basis.

To clean a disc, use a micro fibre cleaning cloth and wipe the disc from the center to the edge in a straight line.





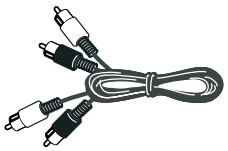
CAUTION!
Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static sprays intended for analog discs. Since the optical unit (laser) of the DVD player operates at a higher power than regular DVD or CD players, cleaning CDs intended for DVD or CD players may damage the optical unit (laser). Therefore, refrain from using a cleaning CD.

01-43_MDV460_37_eng2.indd 8 2007-01-26 9:52:23 AM

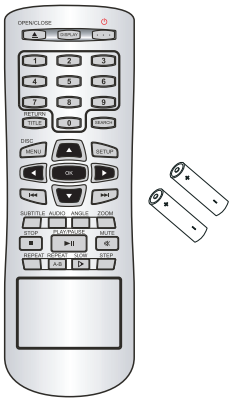
Accessories supplied

Video cable (yellow)

Audio cable (white, red)



Remote control and two AAA batteries



Region codes

This DVD player is designed to support the Region Management System. Check the regional code number on the disc package. If the number does not match the player's region number (see table below), the player may be unable to playback the disc.

Tips:
– It may not be possible to play CD-R/RW or DVD-R/RW in all cases due to the type of disc or condition of the recording.
– If you are having trouble playing a certain disc, remove the disc and try a different one. Improper formatted disc will not played on this DVD player.

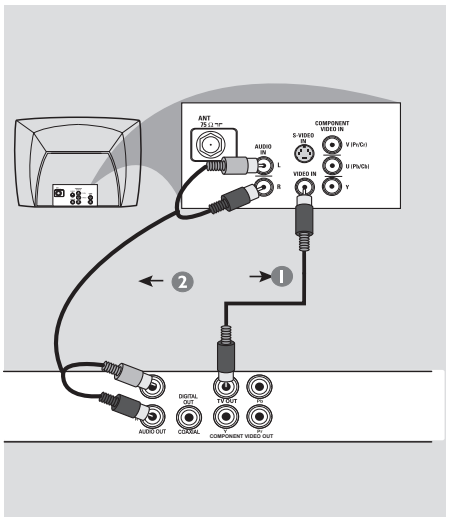
Region	Discs that can be played
U.S.A. and Canada regions	ALL 1
U.K and Europe regions	ALL 2
Asia Pacific, Taiwan, Korea	ALL 3
Australia, New Zealand, Latin America	ALL 4
Russia and India regions	ALL 5
China, Calcos Islands, Walls and Futuna Islands	ALL 6

01-43_MDV460_37_eng2.indd 9 2007-01-26 9:52:23 AM

English

Connections

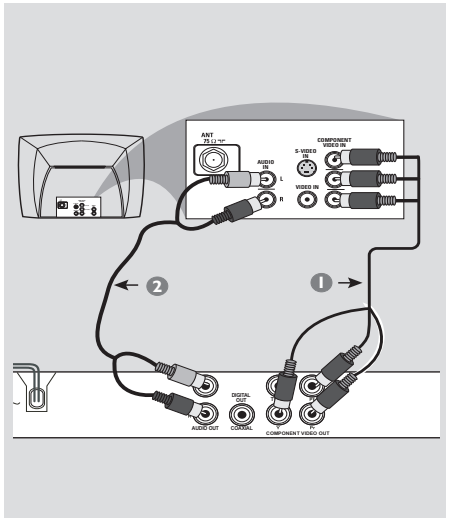
Connecting to television



IMPORTANT!
– You only need to make one video connection from the following options, depending on the capabilities of your television.
– Connect the DVD player directly to the television.

Using Composite Video jacks (CVBS)

1. Use the composite video cable (yellow) to connect the DVD player's **TV OUT** (CVBS) jack to the video input jack (or labeled as A/V In, Video In, Composite or Baseband) on the television (cable supplied).
2. To hear sound of this DVD player through your television, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD player to the corresponding AUDIO IN jacks on the television (cable supplied).



IMPORTANT!
– The progressive scan video quality is only possible when using YPbPr and a progressive scan television is required.

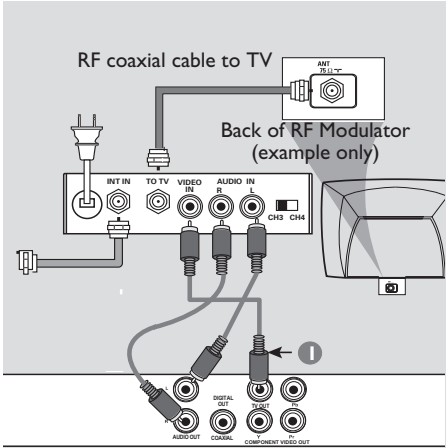
Using Component Video jacks (YPbPr)

1. Use the component video cables (red/blue/green) to connect the DVD player's **YPbPr** jacks to the component video input jacks (or labeled as YPbPr) on the television (cable not supplied).
2. To hear sound of this DVD player through your television, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD player to the corresponding AUDIO IN jacks on the television (cable supplied).
3. Proceed to page 17 for detailed progressive scan setup.

TIPS: Before making or changing any connections, make sure that all the devices are disconnected from the power outlet.

01-43_MDV460_37_eng2.indd 10 2007-01-26 9:52:23 AM

English



IMPORTANT!
– If your television only has a single Antenna In jack (or labeled as 75 ohm or RF In,) you will need an RF modulator in order to view the DVD playback on the television. See your electronics retailer for details on RF modulator availability and operations.

Using an accessory RF modulator

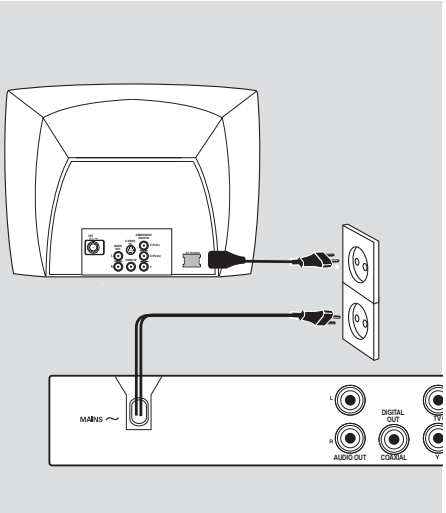
1. Use the composite video cable (yellow) to connect the DVD player's **TV OUT** (CVBS) jack to the video input jack on the RF modulator.
2. Use the RF coaxial cable (not supplied) to connect ANTENNA OUT or TO TV jack on the RF modulator to the ANTENNA IN jack on the television.
3. To hear sound of this DVD player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD player to the corresponding AUDIO IN jacks on the RF modulator (cable supplied).
4. Connect the Antenna or Cable TV service signal to the ANTENNA IN or RF IN jack on the RF modulator. (It may have been connected to your TV previously. Disconnect it from the TV).

TIPS: Before making or changing any connections, make sure that all the devices are disconnected from the power outlet.

01-43_MDV460_37_eng2.indd 11 2007-01-26 9:52:23 AM

Connections (continued)

Connecting the power cord



After everything is connected properly, plug in the AC power cord to the power outlet.
Never make or change any connections with the power switched on.

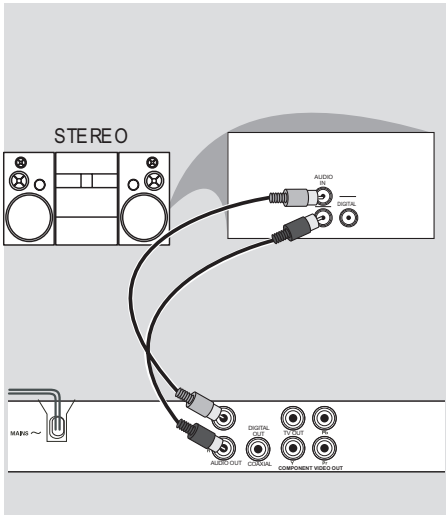
When no disc is loaded, **press STANDBY ON on the DVD player front panel.**
"– – –" may appear on the display panel.

TIPS: Before making or changing any connections, make sure that all the devices are disconnected from the power outlet.

01-43_MDV460_37_eng2.indd 12 2007-01-26 9:52:24 AM

English

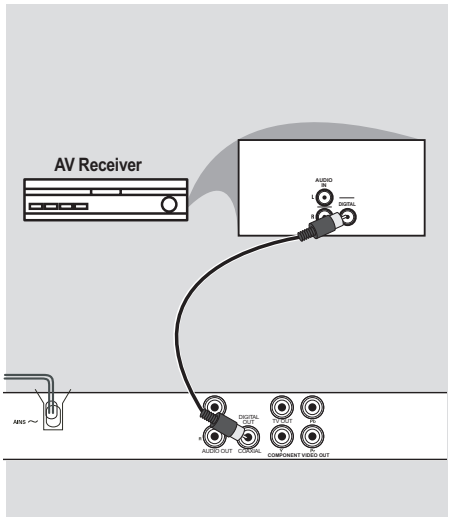
Connecting to a stereo system



Stereo system has right/ left Audio In jacks

1. Select one of the video connections (CVBS VIDEO IN or COMPONENT VIDEO IN) depending on the options available on your television.
2. Use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the stereo system (cable supplied).

Connecting to a digital AV receiver



Receiver has a PCM, Dolby Digital or MPEG decoder

1. Select one of the video connections (CVBS VIDEO IN or COMPONENT VIDEO IN) depending on the options available on your television.
2. Connect the COAXIAL jack of the DVD player to the corresponding Digital Audio In jack on your receiver (cable not supplied).
3. Set the DVD player's digital output to PCM-Only or ALL depending on the capabilities of your receiver (see page 32 {Digital Output}).

Tip:
– If the audio format of the Digital Output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.

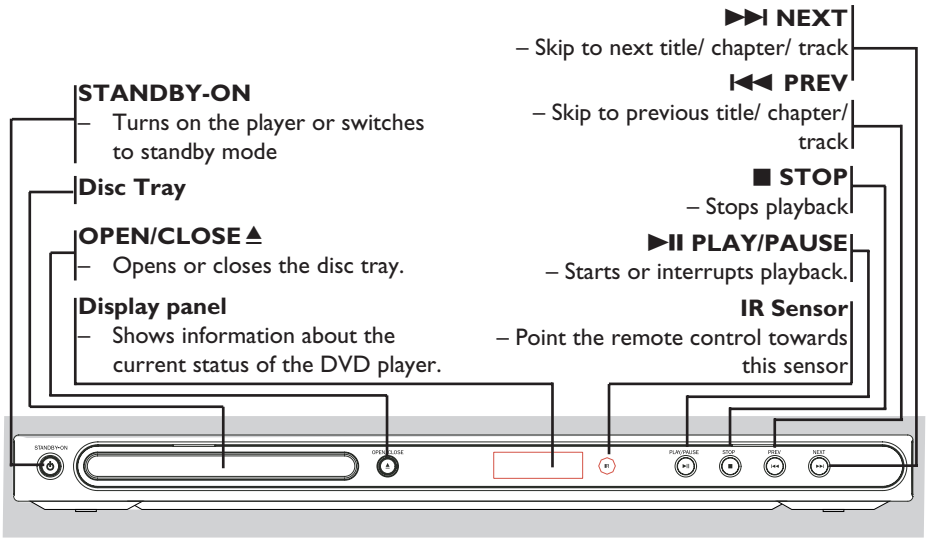
TIPS: Before making or changing any connections, make sure that all the devices are disconnected from the power outlet.

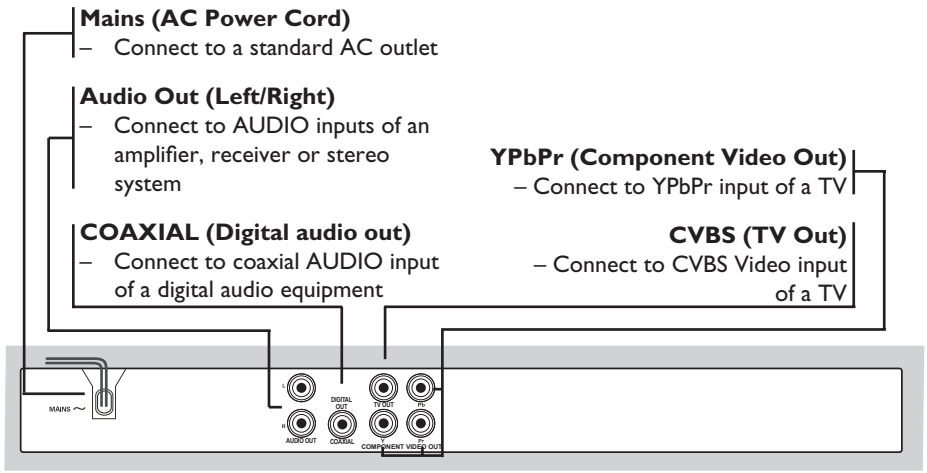
Caution: Do not touch the inner pins of the jacks on the rear panel.

01-43_MDV460_37_eng2.indd 13 2007-01-26 9:52:24 AM

Product Overview

Front and Rear Panels


STANDBY-ON
– Turns on the player or switches to standby mode
Disc Tray
OPEN/CLOSE ⏏
– Opens or closes the disc tray.
Display panel
– Shows information about the current status of the DVD player.
▶▶I NEXT
– Skip to next title/ chapter/ track
I◀◀ PREV
– Skip to previous title/ chapter/ track
■ STOP
– Stops playback
▶II PLAY/PAUSE
– Starts or interrupts playback.
IR Sensor
– Point the remote control towards this sensor


Mains (AC Power Cord)
– Connect to a standard AC outlet
Audio Out (Left/Right)
– Connect to AUDIO inputs of an amplifier, receiver or stereo system
COAXIAL (Digital audio out)
– Connect to coaxial AUDIO input of a digital audio equipment
YPbPr (Component Video Out)
– Connect to YPbPr input of a TV
CVBS (TV Out)
– Connect to CVBS Video input of a TV
MAINS
AUDIO OUT
COAXIAL
COMPONENT VIDEO OUT

01-43_MDV460_37_eng2.indd 14 2007-01-26 9:52:24 AM

Remote Control

OPEN/CLOSE
– Opens or closes the disc tray

0-9 numeric key pad
– Selects numbered items in a menu

RETURN/TITLE
– To go back to previous menu/ show title menu

DISC MENU
– Enters or exits the disc contents menu
– Switches on or off the playback control mode (for VCD version 2.0 only and SVCD)

⏮
– Skip to previous title/ chapter/ track

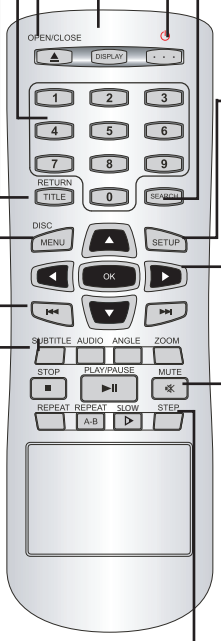
⏭
– Skip to next title/ chapter/ track

SUBTITLE
– To access subtitle language system menu

AUDIO
– Selects an audio language (DVD/VCD) or an audio channel

ANGLE
– Selects a DVD camera angle

ZOOM
– Enlarge a picture on the TV screen



DISPLAY
– Displays information on TV screen during playback

⏻
– To switch the DVD player to standby mode or ON

SEARCH
– To start playback from designated point

SETUP
– Enters or exits the system setup menu

▲ ▼ ◀ ▶
– Selects an item in the menu/ fast and slow forward/backward

OK
– Acknowledge menu selection

■ STOP
– Stops playback

►II PLAY/PAUSE
– Starts or pauses playback

MUTE
– Disables or enables sound output

REPEAT
– Selects various repeat mode

REPEAT A-B
– Repeats playback a specific section on a disc

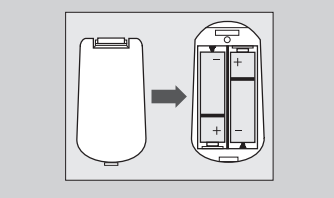
SLOW
– Select a slow forward

STEP
– Play the video frame by frame

01-43_MDV460_37_eng2.indd 15 2007-01-26 9:52:24 AM

Getting Started

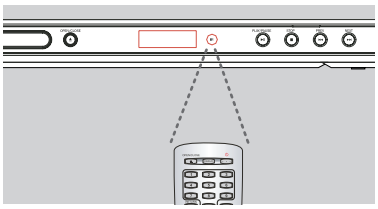
Step 1 : Inserting Batteries



1. Open the battery compartment.
2. Insert two batteries type R03 or AAA, following the indications (+ –) inside the compartment.
3. Close the cover.

CAUTION!
– Remove batteries if they are exhausted or if the remote is not to be used for a long time.
– Do not use old and new or different types of batteries in combination.
– Batteries contain chemical substances, so they should be disposed of properly.

Using the remote control to operate the system



1. Aim the remote control directly at the remote sensor (IR) on the front panel.
2. Do not put any objects between the remote control and the DVD player while operating the DVD player.

Step 2 : Finding your viewing channel

1. Press **STANDBY-ON** ⏻ on the DVD player to turn it on.
2. Turn on the TV and set it to the correct video-in channel. You should see the blue DVD background screen.
   - ➔ Usually these channel are between the lowest and highest channels and may be called FRONT, A/V IN, VIDEO. See your TV's manual for more details.
   - ➔ Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
   - ➔ Or, the TV remote control may have a button or turn that chooses different video modes.
   - ➔ Or, set the TV to channel 3 or 4 if you are using an RF modulator.
3. If you are using external equipment, (such as audio system or receiver), turn it on and select the appropriate input source for the DVD player output. Refer to the equipment user's manual for detail.

01-43_MDV460_37_eng2.indd 16 2007-01-26 9:52:24 AM

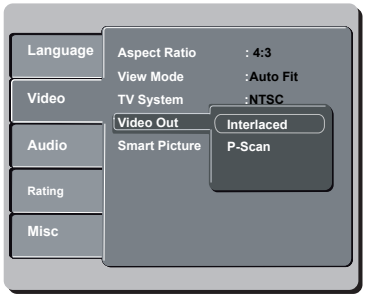
English

Step 3 : Setting up Progressive Scan feature

(for Progressive Scan TV only)
The progressive scan displays twice the number of frames per seconds than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

Before you start...
– Ensure that you have connected this DVD player to a progressive scan TV using the Y Pb Pr connection (see page 10).
– Ensure that you have completed the basic installation and set-up.

1. Turn on your TV and set to interlace mode (refer to your TV user manual).
2. Press **STANDBY ON** ⏻ on the remote control to turn on the DVD player.
3. Select the correct video-in channel.
   ➔ The DVD background menu appears.
4. Press **SETUP**.
5. Press ▲ ▼ to select { **Video** }, then press ▶.



6. Press ▲ ▼ repeatedly to select { **Video Out** }, then press ▶.
7. Select { **P-Scan** }, then press **OK** to confirm.
   ➔ The menu will appear on the TV.

Activating Progressive Scan
1.Ensure your TV system supports Progressive Mode
2.If there is a distorted picture on the TV, wait 15 seconds for automatic recover
Yes
NO

8. Press ◀ to highlight { **Yes** } and press **OK** to confirm.
   ➔ The menu will appear on the TV.

9. Press ◀ to highlight { **Yes** } and press **OK** to confirm.
10. Turn on your TV progressive scan mode (refer to your TV user manual).
    ➔ The setup is now completed and you can start enjoy the high quality picture.

To deactivate Progressive Scan manually:

- Wait for 15 seconds for the auto recovery.

OR

1. Press **OPEN/CLOSE** ≜ on the DVD player to open the disc tray.
2. Press **numeric keypad '1'** on the remote control.
   ➔ The DVD background screen appears.

Tip:
– There are some progressive scan TVs and High-Definition TVs that are not fully compatible with this unit, resulting in the unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such a case, turn off the progressive scan feature on both the DVD player and your TV.

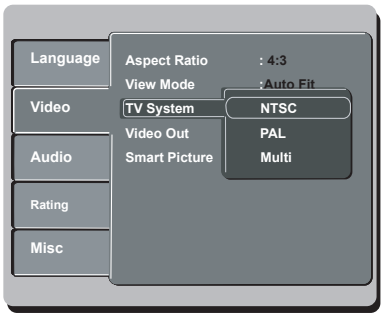
TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 17 2007-01-26 9:52:25 AM

Getting Started (continued)

Step 4 : Selecting the matching color system

The color system of the DVD player, disc and TV should match in order for the disc to play. Before changing the TV system, determine the color system of your TV.



1. Press **SETUP**.
2. Press ▲ ▼ to select { **Video** }, then press ▶.
3. Press ▲ ▼ repeatedly to select { **TV System** }, then press ▶.
4. Use ▲ ▼ to select one of the options below:

   { **PAL** }
   Select this if the connected TV has the PAL colour system. It will change the video signal of an NTSC disc and output it to PAL format.

   { **NTSC** }
   Select this if the connected TV has the NTSC colour system. It will change the video signal of a PAL disc and output it to NTSC format.

   { **Multi** }
   Select this if the connected TV is compatible with both NTSC and PAL (multi-system). The output format will be in accordance with the video signal of the disc.

5. Select a setting and press **OK**.
   ➔ Follow the instructions show on the TV to confirm the selection (if any).

Changing NTSC to PAL
1.Ensure your TV system supports PAL Standard
2.If there is a distorted picture on the TV, wait 15 seconds for automatic recover
Yes
NO

6. Press ◀ to highlight { **Yes** } and press **OK** to confirm.

To reset to default TV color system:

- Wait for 15 seconds for the auto recovery.

OR

1. Press **OPEN/CLOSE** ≜ on the DVD player to open the disc tray.
2. Press **numeric keypad '3'** on the remote control.
   ➔ The DVD background menu appears.

Tips:
– Before changing the current TV colour setting, ensure that your TV supports the 'selected TV System'.
– If there is no proper picture on your TV, wait for 15 seconds for auto recovery.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 18 2007-01-26 9:52:25 AM

Step 5 : Setting the language

The language options are different depending on your country or region. It may not correspond to the illustrations shown on the user manual.

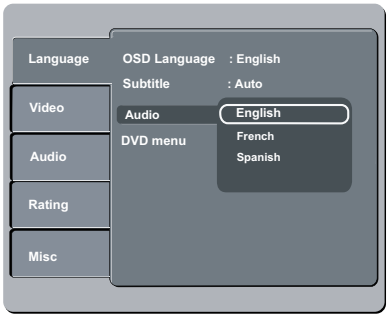
On-screen display (OSD) language

Select this to change the language of this DVD player screen display menu.
The menu language (on-screen display) for the system will remain as you set it.

1. Press **SETUP**.
2. Press ▲ ▼ to select { **Language** }, then press ▶.
3. Press ▲ ▼ to select { **OSD Language** }, then press ▶.
4. Use ▲ ▼ to select a language and press **OK** to confirm.

Audio, Subtitle and DVD menu languages

You can choose your preferred language or sound track from audio, subtitles and DVD menu languages. If the selected language is not available on the disc, the disc's default language will be used instead.



1. Press **SETUP**.
2. Press ▲ ▼ to select { **Language** }, then press ▶.
3. Press ▲ ▼ to highlight one of the options below, then press ▶.

   { **Audio** }
   Select this to change disc sound track language.

   { **Subtitle** }
   Select this to change the subtitle language.

   { **DVD menu** }
   Select this to change the language of the disc menu.
4. Use ▲ ▼ to select a language and press **OK** to confirm.
5. Repeat steps 3 - 4 for other language settings.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 19 2007-01-26 9:52:25 AM

Playback from Disc

IMPORTANT!
– If the INVALID KEY appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.
– DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is for the same zone as your player.

Playable discs

Using this DVD player, you can playback on the following discs:

DVD Video (Digital Versatile Disc)

DVD±RW (DVD Rewritable) Audio/Video format or MP3/WMA/JPEG files.

DVD±R (DVD Recordable) Audio/Video format or MP3/WMA/JPEG files.

CD-R (CD-Recordable) Audio/Video format or MP3/WMA/JPEG files.

CD-RW (CD-Rewritable) Audio/Video format or MP3/WMA/JPEG files.

Audio CD (Compact Disc Digital Audio)

Video CD (Formats 1.0, 1.1, 2.0)

Super Video CD

MP3-Disc

Supported formats

MP3/WMA tracks
- The file extensions has to be '.mp3', '.wma'
- JPEG/ISO format
- Maximum 15 characters display.
- Supported sampling frequencies and corresponding bit-rates;

32kHz	64 – 320 kbps
44.1kHz, 48kHz	80 – 320 kbps

JPEG pictures
- The file extensions has to be '.JPG' and not '.JPEG.'
- JPEG/ISO format
- It can only display DCF-standard still pictures or JPEG pictures such as TIFF.

Tips:
– Maximum 100 sessions for CD and 10 multi border for DVD are supported.
– For DVD-R and DVD-RW multi border, only finalized disc are supported.
– For DVD+R and DVD+RW multi border both finalized and unfinalized disc are NOT supported.

TIPS: Some discs cannot be played on this DVD player due to the configuration and characteristics of the disc, or due to the condition of recording and authoring software that was used.

01-43_MDV460_37_eng2.indd 20 2007-01-26 9:52:25 AM

Starting disc playback

1. Turn on the TV to the correct program number for the DVD player (e.g. 'EXT', '0', 'AV').
2. Press **STANDBY-ON** ⏻ to turn on the DVD player.
3. Press **OPEN/CLOSE** ⏏ on the front of the DVD player.
4. Place a disc into the disc tray with the label facing up, then press **OPEN/ CLOSE** ⏏.
   ➔ For double-sided discs, load the side which you want to play facing up.
5. Playback may start automatically. If not, press **PLAY/PAUSE ▶II**.

- If a disc menu appears on the TV, see page 22 'Using the Disc Menu'.
- If the child lock was activated for the inserted disc, you have to enter your four-digit password (see page 35).
- For more playback features, see pages 21~27.

Tips:
– Do not overturn the DVD player while disc loading, playing or ejecting.
– Do not close the disc tray manually even if the power switched off.

Basic playback controls

Unless otherwise stated, all operations described are based on Remote Control use.

Pausing playback

1. During playback, press **PLAY/PAUSE ▶II** to pause playback and display a still picture.
   ➔ Sound will be muted.
2. To resume normal playback, press **PLAY/PAUSE ▶II** again.

Selecting title/chapter/track

- Press **PREV ⏮** / **NEXT ⏭** to go to the previous or next title/chapter/ track.
- Press **DISPLAY** to display the disc information text line for title/chapter/ track (example - 00/08).
- Use **alphanumeric keypad (0-9)** to enter valid title/chapter/track number, then press **OK**.
  ➔ The playback skips to the selected title/chapter/track.

Stopping playback

- Press **STOP ■**.

Tips:
– Screen saver will start automatically if the disc playback is stopped for about 5 minutes.
– The player will automatically switch to Power Standby mode if you do not press any buttons for about 15 minutes after the disc has stopped playing.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

01-43_MDV460_37_eng2.indd 21 2007-01-26 9:52:26 AM

Playback Features (continued)

Operations for video playback

Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load in the disc.

To select a playback feature or item

- Use ▲ ▼ ◀ ▶ keys or **numeric keypad (0-9)** on the remote, then press **OK** to start playback.

To access or remove the menu

- Press **DISC MENU** on the remote.

Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged picture.

1. During playback, press **ZOOM** repeatedly to display the picture with different scales.
   - ➔ Use ▲ ▼ ◀ ▶ keys to pan through the enlarged picture.
   - ➔ Playback will continue.
2. Press **ZOOM** repeatedly to return to the original size.

Resuming playback from the last stopped point

Resume playback of the last 5 discs is possible, even if the disc was ejected (open) or standby. Auto resume is active for DVD,VCD,SVCD,CD types of discs.

- Load one of the last 5 discs.
  - ➔ 'Play from start, press [PREV]' appears during playback for first 10 seconds.
- During the message appears on the TV screen, press **PREV** to start playback from the beginning.
  - ➔ Playback restarts from the first title (DVD) or the beginning of the title/ track (VCD/CDDA/SVCD).
- To remove the message from the TV screen, press **DISPLAY**.

Slow Motion

You can slow forward or slow reverse a disc during playback and select a different speed.

ForDVD,VCD,SVCD

1. Press ▲ ▼ during playback to select the required speed: 1/2, 1/4, 1/8 or 1/16 (forward or backward).
   - ➔ Sound will be muted.
2. To return to normal speed, press **PLAY/ PAUSE ►II**.

Tip:
– Press SLOW to slow forward playback only.

Forward / Reverse Searching

You can fast forward or fast reverse a disc during playback and select a desired search speed.

ForDVD,VCD,SVCD,CD

1. Press ◀ ▶ directly or press I◀◀ ▶▶I for 2 seconds during playback to select the required speed: 2X, 4X, 8X, 16X or 32X (backward or forward).
   - ➔ Sound will be muted (DVD/VCD) or intermittent (CD).
2. To return to normal speed, press **PLAY/ PAUSE ►II**.

Tip:
– For CD, fast forward or fast reverse is available only when pressing I◀◀ ▶▶I for few seconds or more.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

01-43_MDV460_37_eng2.indd 22 2007-01-26 9:52:26 AM

Selecting various repeat functions

Repeat play mode

The repeat play options vary depending on the disc type.

1. While playing a disc, press **REPEAT** continuously to choose a repeat options.

For DVD
- Repeat Chapter (currently playing chapter)
- Repeat Title (currently playing title)
- Off (cancel)

For Video CD, Audio CD
- Repeat Single (currently playing track)
- Repeat All (entire disc)
- Off (cancel)

For MP3/WMA
- Repeat Single (currently playing track)
- Repeat All (current folder)
- Off (cancel)

For JPEG
- Repeat Single (currently playing file)
- Repeat All (current folder)
- Off (cancel)

Tip:
– For VCD/SVCD, repeat playback is not possible if the PBC mode is switched on.

Repeating a section within a chapter/track

You can repeat the playback of a specific segment within a title/chapter track. To do this, you must mark the start and end of the segment you want.

1. While playing a disc, press **REPEAT A-B** at your chosen starting point.
2. Press **REPEAT A-B** again at your chosen end point.
   ➔ The section A and B can be set only within the same chapter/track.
   ➔ The section will now repeat continuously.
3. To exit the sequence, press **REPEAT A-B**.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

01-43_MDV460_37_eng2.indd 23 2007-01-26 9:52:26 AM

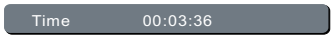
Playback Features (continued)

Viewing the disc playback information

You can view the disc information (such as current title/chapter/track number on the disc) without interrupting the disc playback.

1. During playback, press **DISPLAY** repeatedly on the remote control.
   ➔ The available disc information appears on the TV screen with the following sequence.

Time



(DVD)

Title/Chapter

(DVD)

Audio

(DVD)

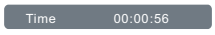
Subtitle

(DVD)

Angle

(DVD)

Time



(VCD)

Track

(VCD)

Tip:
– For DVDs with multiple angles, press ***ANGLE*** *to display the right icon after the left entry appears on the TV screen.*

Title/Chapter/Track selection

1. Press **SEARCH**.
2. Press ▲ ▼ to select {Title} / {Chapter} or {Track}.
3. Use the **alphanumeric keypad 0-9** to input a valid number.
4. Press **OK** to confirm.
   ➔ The playback skips to the chosen title/chapter/track.

Time Search

1. Press **SEARCH**.
2. Press ▲ ▼ to select {Time}.
3. Use the **alphanumeric keypad 0-9** to input the valid time (such as 0:34:27).
4. Press **OK** to confirm.
   ➔ The playback skips to the chosen time.

Angle

- When {Angle} information appears on the TV screen, press **ANGLE** repeatedly to switch between different angle.
  ➔ Playback will go to the selected angle.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

01-43_MDV460_37_eng2.indd 24 2007-01-26 9:52:26 AM

Special DVD Features

Playing a Title

1. Press **DISC MENU**.
   ➔ The disc title menu appears on the TV screen.
2. Use ▲ ▼ ◀ ▶ keys or **alphanumeric keypad 0-9** to select a play option.
3. Press **OK** key to confirm.

Changing the Audio Language

For DVD

- Press **AUDIO** repeatedly to select different audio languages.

Changing the Audio Channel
For VCD

- Press **AUDIO** to select the available audio channels provided by the disc (LEFT, RIGHT, MIX, STEREO).

Subtitles

- Press **SUBTITLE** repeatedly to select different subtitle languages.

Special VCD and SVCD Feature

Playback Control (PBC)

For VCD with Playback Control (PBC) feature (version 2.0 only)

- Press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF'.
  ➔ If you select 'PBC ON', the disc menu (if available) will appear on the TV.
  ➔ Use the **PREV ⏮** / **NEXT ⏭** to turn to previous /next page or the **alphanumeric keypad 0-9** to select a play option., then press **OK**.
- During playback,
  ➔ pressing **PREV ⏮** after the first 5 seconds, playback will start from the beginning of the current track,
  ➔ pressing **PREV ⏮** within the first 5 seconds, playback will go to the previous track.
- During playback, pressing **RETURN/ TITLE** will return to the menu screen (if PBC is on).

If you want to skip the index menu and playback directly from the beginning,

- Press **DISC MENU** key on the remote control to turn to PBC off.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

01-43_MDV460_37_eng2.indd 25 2007-01-26 9:52:27 AM

Playback Features (continued)

Playing MP3/WMA/JPEG/ Kodak/Fuji Picture CD

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 16 'Finding your viewing channel').

General Operation

1. Load a disc.
   - ➔ The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
   - ➔ The data disc menu and ID3 (MP3) / Meta data (WMA) information (including at least title, singer and album) appears on the TV screen.

2. Press ▲ ▼ to select the folder and press **OK** to open the folder.
3. Press ▲ ▼ to select a track/file.
4. Press **OK** to confirm.

Tips:
– If the playing file is not selected, the ID3/ Meta information will disappear.
– If a jpeg file is selected, a preview will appear.

Playback selection

During playback, you can;

- Press **PREV ⏮** / **NEXT ⏭** to select the previous/next track/file in the current folder.
- Press ▲ ▼ ◀ ▶ on the remote to rotate/flip the picture files.
- Press **PLAY/PAUSE ⏯** repeatedly to pause/resume playback.

For MP3/WMA,

- During playback,
  - ➔ pressing **PREV ⏮** after the first 5 seconds, playback will start from the beginning of the current track,
  - ➔ pressing **PREV ⏮** within the first 5 seconds, playback will go to the previous track.
- During playback, press and hold **PREV ⏮** / **NEXT ⏭** for about few seconds to access fast forward or fast reverse with the required speed: 2X, 4X, 8X, 16X or 32X.

Tip:
– For MP3/WMA, fast forward or fast reverse is available only when pressing ⏮ ⏭ for few seconds or more.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

01-43_MDV460_37_eng2.indd 26 2007-01-26 9:52:27 AM

Zoom picture (JPEG)

- During playback, press **ZOOM** repeatedly to display the picture with different scales.
- Use ▲ ▼ ◀ ▶ to view the zoomed picture.

Playback with multi-angles (JPEG)

- During playback, press ▲ ▼ ◀ ▶ to rotate the picture on the TV screen.
  ▲ ▼: flip the picture vertically by 180°
  ◀: rotate the picture anti-clockwise by 90°
  ▶: rotate the picture clockwise by 90°

  Tip:
  – It may not be possible to play certain MP3/JPEG disc due to the configuration and characteristics of the disc or condition of the recording.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

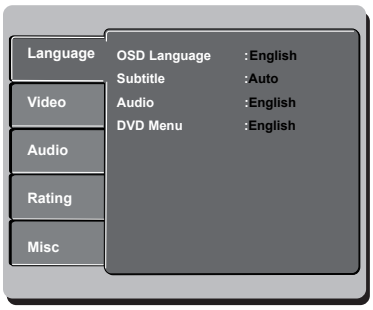
01-43_MDV460_37_eng2.indd 27 2007-01-26 9:52:27 AM

DVD Menu Options

This DVD Player setup is carried out via the TV, enabling you to customize the DVD player to suit your particular requirement.

Using the Language setup menu

1. Press **SETUP** on the remote control.
   ➔ The system setup menu appears.



2. Press ▲ ▼ to select { **Language** }, then press ▶.
3. Press ▲ ▼ to select an item, then press ▶ to access.
   Example: { **OSD Language** }
   ➔ The options for the selected item appears.
   ➔ If the selection in the menu is greyed out, that means the feature is not available or not possible to change at the current state.
4. Use ▲ ▼ to select a setting and press **OK** to confirm.
   Example: { **English** }
   ➔ The setting is selected and setup is complete.
5. To exit, press **SETUP**.

OSD Language

This menu contains various language options for the language displayed on the screen. For details, see page 19.

Subtitle/Audio/DVD Menu

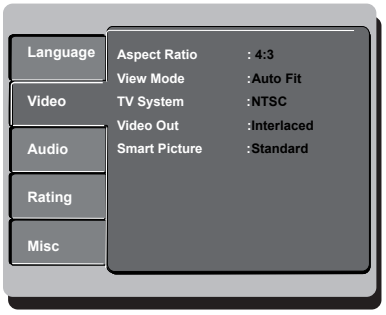
These menus contains various language options for audio, subtitle and disc menu which may be recorded on the DVD. For details, see page 19.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 28 2007-01-26 9:52:27 AM

Using the Video setup menu

1. Press **SETUP** on the remote control.
   ➔ The system setup menu appears.



2. Press ▲ ▼ to select { **Video** }, then press ▶.
3. Press ▲ ▼ to select an item, then press ▶ to access.
   Example: { **Aspect Ratio** }
   ➔ The options for the selected item appears.
   ➔ If the selection in the menu is greyed out, that means the feature is not available or not possible to change at the current state.
4. Use ▲ ▼ to select a setting and press **OK** to confirm.
   Example: { **4:3** }
   ➔ The setting is selected and setup is complete.
5. To exit, press **SETUP**.

Setting the Aspect Ratio

The picture shape can be adjusted to fit your TV and the format must be available on the playback disc. Otherwise, the TV display will not affect the picture during playback.

1. In 'Video', press ▲ ▼ to select { **Aspect Ratio** }, then press ▶.

{ **4:3** }
Select this if you have a normal TV. A 'wide-screen' display with black bars on the top and bottom will be displayed on the TV screen.

{ **16:9** }
Select this for wide-screen TV (frame ratio 16:9).

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 29 2007-01-26 9:52:27 AM

DVD Menu Options (continued)

View Mode

Use view mode to scale an image that fits to the TV screens' width and height.

1. In 'Video', press ▲ ▼ to select { **View Mode** }, then press ▶.

   { **Fill** }
   Select this to scale the image up or down in horizontal and vertical directions respectively to fill the screen height and width.

   { **Original** }
   Select this to fit the original screen size (only for MPEG/Picture CD).

   { **Height Fit** }
   Select this to scale the image up or down in vertical direction to fit the screen height.

   { **Width Fit** }
   Select this to scale the image up or down in horizontal direction to fit the screen width.

   { **Auto Fit** }
   Select this to take the minimum value of horizontal and vertical fit scale ratio (like letter box).

   { **Pan Scan** }
   Select this to take the maximum value of horizontal and vertical fit scale ratio.

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

TV System

This menu contains the options for selecting the color system that matches the connected TV. For details, see page 18.

Video Out

This setting allows you to toggle the output of the video signal between Interlaced and P-Scan (Progressive Scan).

1. In 'Video', press ▲ ▼ to select { **Video Out** }, then press ▶.

   { **Interlaced** }
   Select this for Interlaced connection.

   { **P-Scan** }
   Select this when you want to make progressive scan (YPbPr) connection on your DVD player to a progressive scan TV.

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 30 2007-01-26 9:52:27 AM

Smart Picture

This DVD player provides four predefined sets of picture color settings.

1. In 'Video', press ▲ ▼ to select { **Smart Picture** }, then press ▶.

   { **Standard** }
   Select this for a preset standard picture setting.

   { **Vivid** }
   Select this to make the picture brighter.

   { **Cool** }
   Select this to make the picture softer.

   { **Personal** }
   Select this to personalize your picture color by adjusting the brightness, contrast, tint and color (saturation).

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

3. If you select {PERSONAL}, then proceed to steps 4~7.
   ➔ The setup menu appears.

4. Press ▲ ▼ to highlight one of the following options.

   BRIGHTNESS
   Increase the value to brighten the picture or vice versa. Choose zero (0) for average setting.

   CONTRAST
   Increase the value to sharpen the picture or vice versa. Choose zero (0) to balance the contrast.

   TINT
   Increase the value to darken the picture or vice versa. Choose zero (0) for average setting.

   COLOR
   Increase the value to enhance the color in your picture or vice versa. Choose zero (0) to balance the color.

5. Press ◀ ▶ to adjust the setting that best suits your personal preference.

6. Repeat steps 4~5 for adjusting other color features.

7. Press **OK** to confirm.

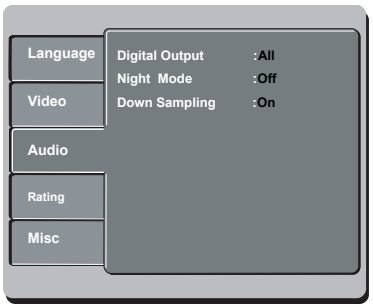
TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 31 2007-01-26 9:52:27 AM

DVD Menu Options (continued)

Using the Audio setup menu

1. Press **SETUP** on the remote control.
   ➔ The system setup menu appears.



2. Press ▲ ▼ to select { **Audio** }, then press ▶.
3. Press ▲ ▼ to select an item, then press ▶ to access.
   Example: { **Night Mode** }
   ➔ The options for the selected item appears.
   ➔ If the selection in the menu is greyed out, that means the feature is not available or not possible to change at the current state.
4. Use ▲ ▼ to select a setting and press **OK** to confirm.
   Example: { **On** }
   ➔ The setting is selected and setup is complete.
5. To exit, press **SETUP**.

Digital Output

Select this if you connect to a multichannel decoder/receiver.

1. In 'Audio', press ▲ ▼ to select { **Digital Output** }, then press ▶.

   { **All** }
   Select this if the connected device has a built-in multichannel decoder that supports one of the multichannel audio format (Dolby Digital, MPEG-2).

   { **PCM** }
   Select this if the connected device is not capable of decoding multichannel audio. The DVD player will convert the Dolby Digital and MPEG-2 multichannel signals to PCM (Pulse Code Modulation).

   { **Off** }
   To deactivate the digital audio output. For example, if you use the AUDIO OUT sockets to connect to a TV or stereo system.

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

Tips:
– If { Digital Output } is set to { All }, all audio settings except MUTE are invalid.
– If { Digital Output } is set to { All } while playback MPEG, MP3/WMA files, the player will output PCM signals.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 32 2007-01-26 9:52:27 AM

Night Mode

This mode optimizes playback of sound at low volume. High volume outputs will be softened and low volume outputs are brought upward to an audible level.

1. In 'Audio', press ▲ ▼ to select { **Night Mode** }, then press ▶.

   { **On** }
   Select this to set low volume output. This feature is only available for movie discs with Dolby Digital mode.

   { **Off** }
   Turns off night mode feature. Select this to enjoy the surround sound with its full dynamic range.

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

Down Sampling

You can enable and disable the digital signal for better sound output quality.

1. In 'Audio', press ▲ ▼ to select { **Down Sampling** }, then press ▶.

   { **On** }
   Playback a disc recorded at the sampling rate of 48kHz.

   { **Off** }
   Playback a disc recorded at the sampling rate of 96kHz. This rate can only be achieved in Stereo-Classic (Flat) mode.

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

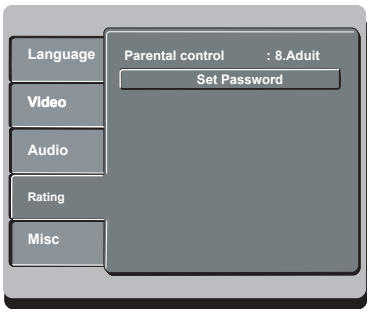
TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 33 2007-01-26 9:52:28 AM

DVD Menu Options (continued)

Using the Rating setup menu

1. Press **SETUP** on the remote control.
   ➔ The system setup menu appears.



2. Press ▲ ▼ to select { **Rating** }, then press ▶.
3. Press ▲ ▼ to select an item, then press ▶ to access.
   Example: { **Parental control** }
   ➔ The options for the selected item appears.
   ➔ If the selection in the menu is greyed out, that means the feature is not available or not possible to change at the current state.
4. Use ▲ ▼ to select a setting and press **OK** to confirm.
   Example: { **8 Adult** }
   ➔ The setting is selected and setup is complete.
5. To exit, press **SETUP**.

Rating level settings

Depending on the DVD, you may be asked to change the parental level while playing the disc. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children, or have certain discs played with alternative scenes.

1. In 'Rating', press ▲ ▼ to select { **Parental control** }, then press ▶.
2. Use the **alphanumeric keypad 0-9** to enter the four-digit password (see page 35 'Changing the Password', then press **OK**.
   ➔ The menu appears on the TV screen.

{ **1.Kid Safe** }
Childsafe; acceptable for viewers of all ages.

{ **2. G** }
General Audience; recommended as acceptable for viewers of all ages.

{ **3. PG** }
Parental Guidance suggested.

{ **4. PG – 13** }
Unsuitable for children under age 13.

{ **5. PG – R** }
Parental Guidance; recommended that parents restrict children under 17 from viewing.

{ **6. R** }
Restricted; recommended only when supervised by a parent or adult guardian.

{ **7. NC – 17** }
No Children under age 17; not recommended viewing for children under age 17.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 34 2007-01-26 9:52:28 AM

{ **8. Adult** }
Mature Material; should be viewed only by adults due to graphic sexual material, violence or language.

3 Use ▲ ▼ to select a rating level and press **OK** to confirm.
➔ Select { **8 Adult** } to disable parental level and allow all discs to play.

● DVDs that are rated higher than the level you selected will not play unless you enter your four-digit password.

Tips:
– This feature will not limit viewing if the disc manufacturer did not code the disc.
– VCD, SVCD, CD have no level indication, so parental control has no effect on these type of discs. This also applies to most illegal DVDs.
– Some DVDs are not coded with a rating though the movie rating may be printed on the disc cover. The rating level feature does not prohibit play of such discs.

Changing the Password

You need to enter your four-digit password to play a prohibited disc or if prompted for a password.

1 In 'Rating', press ▲ ▼ to select { **Set Password** }, then press **OK**.
➔ You will be prompted to enter your four-digit password.

2 Use the **alphanumeric keypad 0-9** to enter the four-digit password, then press **OK**.
➔ When doing this for the first time, enter the default password '0000'.

● If you forget your old four-digit password, enter the default password '0000'.

3 Press **OK** again to enter the new four-digit password.
➔ The new four-digit password will now take effect.

4 Press **OK** to confirm.

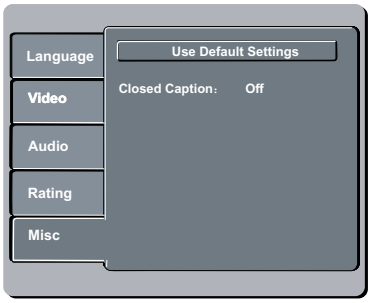
TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 35 2007-01-26 9:52:28 AM

DVD Menu Options (continued)

Using the Misc (Miscellaneous) setup menu

1. Press **SETUP** on the remote control.
   ➔ The system setup menu appears.

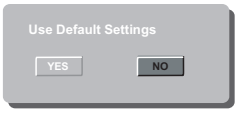


2. Press ▲ ▼ to select { **Misc** }, then press ▶.
3. Press ▲ ▼ to select an item, then press **OK** to access.
   Example: { **Use Default Settings** }
   ➔ The options for the selected item appears.
   ➔ If the selection in the menu is greyed out, that means the feature is not available or not possible to change at the current state.
4. Use ◀ ▶ to select a setting and press **OK** to confirm.
   Example: { **No** }
   ➔ The setting is selected and setup is complete.
5. To exit, press **SETUP**.

Restoring to the original settings

Setting the { Default } function will reset all options and your personal settings to the factory defaults, except your password for rating level.

1. In 'Misc', press ▲ ▼ to select { **Use Default Settings** }, then press **OK**.
   ➔ The menu will appear.



{ **Yes** }
Select this to reset to factory default settings.

{ **No** }
Select this to close the menu.

2. Use ◀ ▶ to select a setting and press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 36 2007-01-26 9:52:28 AM

Closed Caption

Closed caption are data that are hidden in the video signal of some discs. Captions are different from subtitles because captions hearing are impaired by showing the sound effects (e.g., "phone ringing" and "footsteps"), while subtitles do not. Before you select this function, ensure that the disc contains closed captions information and your TV set also has this function.

1. In 'Misc', press ▲ ▼ to select { **Closed Caption** }, then press ▶.

   { **On** }
   Enable closed caption.

   { **Off** }
   Disable closed caption.

2. Use ▲ ▼ to select a setting and press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to previous menu item. Press **SETUP** to exit the menu item.

01-43_MDV460_37_eng2.indd 37 2007-01-26 9:52:28 AM

Others

Software upgrade

Periodically Philips will issue software upgrade to enhance your user experience.

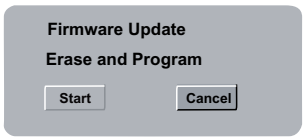
IMPORTANT!
– Power supply must not be interrupted during upgrade!

To check the current software version of this DVD player;

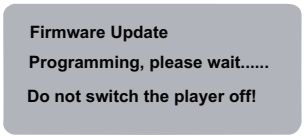
1. Press **OPEN/CLOSE** ▲ on the DVD player to open the disc tray.
   ➔ The disc tray will open.
2. Press **numeric keypad '966'** on the remote control.
   ➔ The software installed in the DVD player appears on the TV screen.

To download and install the latest software to the DVD player;

1. Visit the Philips website 'www.philips.com/support' to check the availability of the latest software upgrade.
2. Download the software to a CD-R.
   ➔ The menu appears.



3. Press ◀ ▶ to select {**Start**}, then press **OK** to confirm.



   ➔ The latest software will be downloaded in the DVD player.

01-43_MDV460_37_eng2.indd 38 2007-01-26 9:52:28 AM

Specifications

English

TV STANDARD	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE	
Video DAC	12 bit, 108 MHz
YPbPr	0.7 Vpp ~ 75 ohm
Video Output	1Vpp ~ 75 ohm

VIDEO FORMAT	
Digital	MPEG 2 for DVD,SVCD
Compression	MPEG 1 for VCD

DVD	50Hz	60Hz
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines

VCD	50Hz	60Hz
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

AUDIO FORMAT		
Digital	MPEG/ AC-3/ PCM	compressed Digital 16, 20, 24 bits fs, 44.1, 48, 96 kHz
	MP3(ISO 9660)	96, 112, 128, 256 320kbps & variable bit rate fs, 32, 44.1, 48 kHz

Analog Sound Stereo
Dolby Surround compatible downmix from Dolby Digital multi-channel sound

AUDIO PERFORMANCE		
DA Converter	24 bit, 192 kHz	
DVD	fs 96 kHz	4Hz- 44kHz
	fs 48 kHz	4Hz- 22kHz
SVCD	fs 48 kHz	4Hz- 22kHz
	fs 44.1kHz	4Hz- 20kHz
CD/VCD	fs 44.1kHz	4Hz- 20kHz
Signal-Noise (1kHz)		> 90 dB
Dynamic range(1kHz)		> 80 dB
Crosstalk (1kHz)		> 70 dB
Distortion/noise (1kHz)		> 65 dB
MPEG MP3		MPEG Audio L3

CONNECTIONS	
YPbPr Output	Cinch 3x
Video Output	Cinch (yellow)
Audio Output(L+R)	Cinch (white/red)
Digital Output	1 coaxial IEC60958 for CDDA / LPCM IEC61937 for MPEG 1/2, Dolby Digital

CABINET	
Dimensions (w x h x d)	435 x 37 x 209 mm
Weight	Approximately 1.42 kg

POWER CONSUMPTION	
Power Supply Rating	120V; 60Hz
Power consumption	< 10 W
Power consumption in Standby mode	< 1 W

01-43_MDV460_37_eng2.indd 39 2007-01-26 9:52:28 AM

Troubleshooting

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer for help.

Problem	Solution
No power.	– Press STANDBY-ON button on the front of the DVD player to turn on the system. – Make sure the AC outlet has power.
Remote control does not work.	– Aim the remote control directly at the sensor on the front of the DVD player (not towards TV). – Remove any obstacles between DVD player and the remote control. – Batteries are weak, replace the batteries. – Check the polarities of the batteries are as indicated on the remote control (± signs).
No picture.	– Turn on your TV and set to the correct Video In channel for the DVD player. You may go to Channel 1 on your TV, then press the channel down button on your TV's remote control until you see the TV program. – Check the video connection between the DVD player and the TV.
The picture is distorted or black & white during playback.	– The disc does not match with the TV color system standard (PAL/NTSC). – The disc is dirty, clean the disc. – Sometimes a small amount of picture distortion may appear. This is not a malfunction. – To deactivate progressive scan function manually; 1) Turn off your TV progressive scan mode (or set to interlaced mode) 2) Press OPEN/CLOSE to open the DVD player disc tray. 3) Press the alphanumeric keypad '1'.
No sound.	– Check the audio connections, the red and white jacks are connected correctly. – Set the Digital output correctly, based on the equipment you connected to the DVD player.
Disc does not play.	– Insert the disc with the label facing up. – Wrong region code. – Wrong disc type. Read chapter "Playback from Disc - Playable discs" for details. – Make sure the disc is not scratched or warped. Clean the disc or replace a new one. – Check if the disc is defective by trying another disc.
The aspect ratio of the screen cannot be changed.	– The aspect ratio is fixed on the DVD disc. – Depending on the TV, it may not be possible to change the aspect ratio.

01-43_MDV460_37_eng2.indd 40 2007-01-26 9:52:28 AM

Troubleshooting (continued)

Problem	Solution
Not able to select some items in the setup/system menu.	– Press STOP button twice before selecting the setup/system menu. – Depending on the disc availability, some menu items cannot be selected.
The DVD player does not start playback.	– Insert a readable disc with the playback side facing down. – Check the disc type, color system (PAL/NTSC) and region code. – Check for any scratches or smudges on the disc. – Press SETUP to turn off the setup menu screen. – You may need to enter the password in order to change the parental rating level or to unlock the disc for playback. – Moisture may have condensed inside the system. Remove the disc and leave the system turned on for about an hour. – Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual.
Picture freezes momentarily during playback.	– Check the disc for fingerprint/scratches and clean with a soft cloth wiping from center to edge.
Unable to select Progressive Scan on/ off.	– Check that the output of the video signal is turn to { Interlaced }.

01-43_MDV460_37_eng2.indd 41 2007-01-26 9:52:28 AM

Glossary

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

AUDIO OUT Jacks: Jacks on the back of the DVD System that send audio to another system (TV, Stereo, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per seconds, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a Disc.

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Component Video Out Jacks: Jacks on the back of the DVD System that send high-quality video to a TV that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.).

Disc menu: A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer).

JPEG: A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3: A file format with a sound data compression system. 'MP3' is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using MP3 format, one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Parental Control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

PCM (Pulse Code Modulation): A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling reproduction. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert the interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution.

Region code: A system for allowing discs to be played back only in the region designated beforehand. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions).

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

TV OUT jack: Jack on the back of the DVD System that sends video to a TV.

WMA: Windows Media Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 9 or Windows Media Player for Windows XP. Files are recognized by their file extension "WMA."

01-43_MDV460_37_eng2.indd 42 2007-01-26 9:52:28 AM

MAGNAVOX LIMITED WARRANTY
NINETY (90) DAY

WARRANTY COVERAGE:
MAGNAVOX warranty obligation is limited to the terms set forth below.

WHO IS COVERED:
Magnavox warrants the product to the original purchaser or the person receiving the product as a gift against defects in materials and workmanship as based on the date of original purchase ("Warranty Period") from an Authorized Dealer. The original sales receipt showing the product name and the purchase date from an authorized retailer is considered such proof.

WHAT IS COVERED:
The Magnavox warranty covers new products if a defect arises and a valid claim is received by Magnavox within the Warranty Period. At its option, Magnavox will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in Magnavox current inventory, or (3) refund the original purchase price of the product.
Magnavox warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Magnavox' property. When a refund is given, your product becomes Magnavox' property.
Note: Any product sold and identified as refurbished or renewed carries a ninety (90) day limited warranty.

Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay.

WHAT IS NOT COVERED - EXCLUSIONS AND LIMITATIONS:
This Limited Warranty applies only to the new products manufactured by or for Magnavox that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any non-Magnavox hardware product or any software, even if packaged or sold with the product. Non-Magnavox manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

Magnavox is not liable for any damage to or loss of any programs, data, or other information stored on any media contained within the product, or any non-Magnavox product or part not covered by this warranty. Recovery or reinstallation of programs, data or other information is not covered under this Limited Warranty.

This warranty does not apply (a) to damage caused by accident, abuse, misuse, misapplication, or non-Magnavox product, (b) to damage caused by service performed by anyone other than Magnavox or Magnavox Authorized Service Location, (c) to a product or a part that has been modified without the written permission of Magnavox, or (d) if any Magnavox serial number has been removed or defaced, or (e) product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished Magnavox product sold "AS IS" by some retailers.

This Limited Warranty does not cover:
- Shipping charges to return defective product to Magnavox.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- Damage or claims for products not being available for use, or for lost data or lost software.
- Damage occurring to product during shipping.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Failure to operate per Owner's Manual.

TO OBTAIN ASSISTANCE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...
Contact Magnavox Customer Care Center at:
1-800-705-2000

TO OBTAIN ASSISTANCE IN CANADA...
1-800-661-6162 (French Speaking)
1-800-705-2000 - (English or Spanish Speaking)

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. MAGNAVOX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Magnavox, P.O. Box 671539, Marietta, GA. 30006-0026

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